

ABSTRACT

A residual image eliminating apparatus and method for a liquid crystal display device is adaptive for eliminating residual images emerging on a screen after power-off due to electric charges accumulated in pixel cells. In the apparatus, upon power-on, a first voltage level for turning off thin film transistors is applied to gate lines. Upon power-off, a higher level voltage than a ground voltage is applied to the gate lines. At this time, a voltage at the gate line is raised into a voltage level capable of opening a channel of the thin film transistor, thereby discharging an electric charge charged in a pixel. As a result, residual images are rapidly eliminated from the liquid crystal panel upon power-off.

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